

**Amendments to the Specification**

Please add the following new text on page 3, between lines 9 and 10:

--Brief Description of the Drawings

FIG. 1 shows a FTIR-ATR spectra of a 6FDA-Durene polyimide membrane film before and after cross-linking with a DAB dendrimer;

FIG. 2 shows a graph of gel content (%) vs. cross-linking time (min) of cross-linked 6FDA-Durene polyimide membrane films resulting from different generations of DAB dendrimers;

FIG. 3 shows a graph of selectivity vs. cross-linking time (min) for the data as presented in Table 2;

FIG. 4(a) shows a graph of H<sub>2</sub>/N<sub>2</sub> selectivity vs. H<sub>2</sub> permeability for G1 cross-linked 6FDA-Durene polyimide membrane film; and

FIG. 4(b) shows a graph of H<sub>2</sub>/N<sub>2</sub> selectivity vs. H<sub>2</sub> permeability for G2 and G3 cross-linked 6FDA-Durene polyimide membrane films.--

Please replace line 31 on page 10 with the following amended line:

--polyimide. ~~The following~~ Figure 1 presents the FTIR-ATR spectra before and after cross- --

Please delete the figure on page 11 located between lines 9 and 10.

Please replace line 5 on page 12 with the following amended line:

--~~The following~~ Figure 2 compares the gel content of cross-linking samples resulting from--

Please delete the figure on page 12 between lines 9 and 10.

Please replace line 12 on page 13 with the following amended line:

--5 minutes of cross-linking. The data in Table 2, shown graphically in ~~the following~~  
~~graph~~ Figure 3,--

Please delete the figure on page 14 between lines 1 and 13.

Please replace line 22 on page 14 with the following amended line:

--membranes", J. Membr. Sci., 62(1991) 165). ~~The following~~ Figures 4(a) and (b)  
~~demonstrates~~ demonstrate that all--

Please delete the figure on page 15 between lines 1 and 2.